

Volume 49 (1994), Contents

Number 1, January 1994

EDITORIAL

The postpartum stomach—when is it safe?

D.G. Bogod

1

ORIGINAL ARTICLES

The use of the laryngeal mask airway by nurses during cardiopulmonary resuscitation

Results of a multicentre trial

3

A comparison of the 2% and 1% formulations of propofol during anaesthesia for craniotomy

J. Dewandre, R. Van Bos, J. Van Hemelryck and H. Van Aken

8

Propofol infusion anaesthesia and immune response in minor surgery

C.-O. Pirttikangas, J. Perttilä, M. Salo, O. Vainio and S. Liukko-Sipi

13

Propofol and Intralipid cause creaming of serum from critically ill patients

F. Gempeler, A.C. Elston, S.P. Thompson and G.R. Park

17

Epidural bupivacaine for aortic surgery. The effect of dilution on the quality of analgesia

J.M. Slade

21

Nitrous oxide uptake during spontaneous and controlled ventilation

J.P. Bengtson, A. Bengtsson and O. Stenqvist

25

Predictable nitrous oxide uptake enables simple oxygen uptake monitoring during low flow anaesthesia

J.P. Bengtson, A. Bengtsson and O. Stenqvist

29

The effects of Entonox and epidural analgesia on arterial oxygen saturation of women in labour

Z. Arfeen, P.J. Armstrong and A. Whitfield

32

CASE REPORTS

Thyroid storm as a cause of loss of consciousness following anaesthesia for emergency Caesarean section

S. Pugh, K. Lalwani and A. Awal

35

Laryngotracheal stenosis: a serious complication of percutaneous tracheostomy

C. McFarlane, S.W. Denholm, C.L.M. Sudlow, S.J. Moralee, I.S. Grant and A. Lee

38

Acute respiratory distress during Caesarean section under spinal anaesthesia. A probable case of anaphylactoid reaction to Syntocinon

W.W. Morris, N.G. Lavies, S.K. Anderson and H.J. Southgate

41

APPARATUS

The Ohmeda Rascal II. A new gas analyser for anaesthetic use

G.G. Lockwood, M.J. Landon, M.K. Chakrabarti and J.G. Whitwam

44

FORUM

Intra-articular morphine and bupivacaine analgesia after arthroscopic knee surgery

T.K. Haynes, I.R. Appadurai, I. Power, M. Rosen and A. Grant

54

Postoperative pain relief in children. A comparison between caudal bupivacaine and intramuscular diclofenac sodium

P. Ryhänen, J. Adamski, K. Puhakka, J. Leppäluoto, O. Vuolteenaho and J. Ryhänen

57

Studies in postoperative sequelae. Nausea and vomiting—still a problem

A.C. Quinn, J.H. Brown, P.G. Wallace and A.J. Asbury

62

A comparison of postoperative analgesia following spinal or epidural anaesthesia for Caesarean section

F.Y. Lam, I.J. Broome and P.J. Matthews

65

Analgesia after laparoscopic sterilisation. Effect of 2% lignocaine gel applied to Filshie clips

K. Barclay, J.P. Calvert, S.J. Catling, N.D. Edwards and A. Rees

68

The EMLA patch—a new type of local anaesthetic application for dermal analgesia in children

A. Nilsson, I. Boman, B. Wallin and A. Rotstein

70

CORRESPONDENCE

73

OBITUARIES

93

INTERNATIONAL CONGRESS CALENDAR

93

HAZARD NOTICES

95

ERRATUM

96

FOREWORD

<i>M. Rosen and F. Camu</i>	1
The physiology and pharmacology of postoperative nausea and vomiting	
<i>R.J. Naylor and F.C. Inall</i>	2
Risk factors for postoperative nausea and vomiting	
<i>G.N.C. Kenny</i>	6
Single dose intravenous ondansetron in the prevention of postoperative nausea and vomiting	
<i>M.H. Pearman</i>	11
Single oral dose ondansetron in the prevention of postoperative nausea and emesis	
<i>M. Rust and L.A. Cohen</i>	16
Single dose intravenous ondansetron for the 24-hour treatment of postoperative nausea and vomiting	
<i>L. Claybon</i>	24
Impact of postoperative nausea and vomiting in the surgical setting	
<i>J. Hirsch</i>	30
Ondansetron, clinical development for postoperative nausea and vomiting: current studies and future directions	
<i>A.F. Joslyn</i>	34

EDITORIAL

How many authors?

A.-M. Rollin

97

ORIGINAL ARTICLES

Midlatency auditory evoked potentials and purposeful movements after thiopentone bolus injection

D. Schwender, S. Klasing, C. Madler, E. Pöppel and K. Peter

99

The effect of intravenously administered diazepam, midazolam and flumazenil on the sensitivity of upper airway reflexes

P.J. Murphy, R. Erskine and J.A. Langton

105

Excursions of the cervical spine during tracheal intubation: blind oral intubation compared with direct laryngoscopy

R.D. Fitzgerald, P. Krafft, G. Skrbensky, T. Pernerstorfer, E. Steiner, S. Kapral and C. Weinstabl

111

Efficacy of epidurally administered sufentanil versus bupivacaine during thoracic surgery. A randomised placebo-controlled double-blind study

F. Haak-van der Lely, J.W. van Kleef, B.J. Gesink-van der Veer, A.G.L. Burm and J.G. Bovill

116

An intra-operative comparison of lumbar with thoracic epidural sufentanil for thoracotomy

F. Haak-van der Lely, J.W. van Kleef, A.G.L. Burm and J.G. Bovill

119

The use of a visual aid to check anaesthetic machines. Is performance improved?

J. Groves, N. Edwards and B. Carr

122

Reducing smoking. The effect of suggestion during general anaesthesia on postoperative smoking habits

J.A. Hughes, L.D. Sanders, J.A. Dunne, J. Tarpey and M.D. Vickers

126

Intra-operative blood glucose measurements. The effect of haematocrit on glucose test strips

E.A. Smith and E.S. Kilpatrick

129

CASE REPORTS

Cuffed nasopharyngeal tube as 'dedicated airway' in difficult intubation

S.J. Ralston and P. Charters

133

Decreased cardiac index as an indicator of tension pneumothorax in the ventilated patient

S.C. Beards and J. Lipman

137

Acute paraplegia following intrathecal phenol block in the presence of occult epidural malignancy

R.J. Morgan and P.H. Steller

142

Transporting patients with overwhelming pain

W.G. Notcutt

145

HISTORICAL NOTE

The Sparklet carbon dioxide Resuscitator

M. Wrigley and P. Nandi

148

FORUM

A comparison of pre- and postoperative tonsillar infiltration with bupivacaine on pain after tonsillectomy. A pre-emptive effect?

S. Ørntoft, A. Longreen, S. Moiniche and J.B. Dhal

151

A comparison of the effect on gastric emptying of alfentanil or morphine given during anaesthesia for minor surgery

M.W.R. Bennett, M.V. Shah and J.L. Bembridge

155

Routine pre-oxygenation using a Hudson mask. A comparison with a conventional pre-oxygenation technique

D.A. Hett, I.F. Geraghty, R. Radford and J.R. House

157

Intra-ocular pressure changes in patients with glaucoma. Comparison between the laryngeal mask airway and tracheal tube

K. Barclay, T. Wall, K. Wareham and T. Asai

159

Patients' desire for information about anaesthesia: Australian attitudes

D. Farnill and S. Inglis

162

Patients' knowledge of anaesthetic practice and the rôle of anaesthetists

C.F. Swinhoe and E.R. Groves

165

CORRESPONDENCE

167

HAZARD NOTICE

183

EDITORIAL

- Tocolysis, β_2 agonists and anaesthesia
S.J. Rodgers and M. Morgan

185

ORIGINAL ARTICLES

- What changes drug metabolism in critically ill patients? Two preliminary studies in isolated human hepatocytes

G.R. Park, L. Pichard, M. Tinel, C. Larroque, A. Elston, J. Domerque, B. Dexionne and P. Maurel 188

- A cost-utility analysis of intensive therapy. II: Quality of life in survivors

S. Ridley, M. Biggam and P. Stone 192

- The respiratory depressant effect of morphine. A comparative study in three ethnic groups

I.T. Houghton, C.S.T. Aun, Y.C. Wong, K. Chan, J.T.F. Lau and T.E. Oh 197

- Neutral head position for placement of internal jugular vein catheters

K.L. Willeford and J.A. Reitan 202

- The intensity of postoperative shivering is unrelated to axillary temperature

A.W.A. Crossley and R.P. Mahajan 205

- Measurement of intercostal and pleural pressures by epidural catheter

M. Kawamata, K. Omote, A. Namiki and M. Miyabe 208

- Quality of life after multiple trauma requiring intensive care

J. Thiagarajan, P. Taylor, E. Hogbin and S. Ridley 211

CASE REPORTS

- Air in the cavernous sinus following scalp vein cannulation

J. Brook and E. Moss 219

- Cerebrospinal fluid cutaneous fistula. An unusual complication of epidural anaesthesia

J. Howes and R. Lenz 221

APPARATUS

- Flow characteristics of long spinal needles

M. Patel, G. Samsoon, A. Swami and B.M. Morgan 223

- A simple central venous puncture detector

M. Tripathi and M.B. Pandey 226

SPECIAL ARTICLE

- The relationship between oxygen delivery and uptake in the critically ill: is there a critical or optimal therapeutic value? A meta-analysis

H. Steltzer, M. Hiesmayr, N. Mayer, P. Krafft and A.F. Hammerle 229

FORUM

- Mortality after spinal and general anaesthesia for surgical fixation of hip fractures

A.J. Sutcliffe and M. Parker 237

- A comparison of patient and anaesthetist controlled midazolam sedation for dental surgery

M.R.C. Rodrigo and C.K.A. Tong 241

- Magnesium flux and cardiac surgery. A study of the relationship between magnesium exchange, serum magnesium levels and postoperative arrhythmias

H.A.L. Vyvyan, P.N. Mayne and G.R. Cutfield 245

- Sleeping positions adopted by pregnant women of more than 30 weeks gestation

G.H. Mills and A.G. Chaffe 249

- A comparative study of the incidence of sore throat with the laryngeal mask airway

J. Dingley, M. J. Whitehead and K. Wareham 251

- A comparison of three types of tracheal tube for use in laryngeal mask assisted blind orotracheal intubation

S.L. Lim, D.H.B. Tay and E. Thomas 255

CORRESPONDENCE

258

BOOK REVIEWS

272

HAZARD NOTICES

273

SAFETY ACTION BULLETIN

273

ERRATUM

274

EDITORIAL

Anaesthetic information

R.M. Tackley

277

ORIGINAL ARTICLES

A comparison of different modes of noninvasive ventilatory support: effects on ventilation and inspiratory muscle effort

M.W. Elliott, R. Aquilina, M. Green, J. Moxham and A.K. Simonds

279

Neuromuscular blockade of the fetus with pancuronium or pipecuronium for intra-uterine procedures

S.Z. Fan, L. Susetio and M.C. Tsai

284

Intra-operative patient-controlled sedation and patient attitude to control. A crossover comparison of patient preference for patient-controlled propofol and propofol by continuous infusion

G.A. Osborne, G.E. Rudkin, D.A. Jarvis, I.G. Young, J. Barlow and P.I. Leppard

287

Arterial oxygenation and mean arterial blood pressure in patients undergoing total hip replacement: cemented versus uncemented components

J.P. Nolan

293

Delayed ACTH response to human corticotropin releasing hormone during cardiopulmonary bypass under diazepam-high dose fentanyl anaesthesia

J.A. Amado and M.C. Diago

300

End-tidal carbon dioxide tension during laparoscopic cholecystectomy. Correlation with the baseline value prior to carbon dioxide insufflation

A. Baraka, S. Jabbour, R. Hammond, M. Aouad, F. Najjar, G. Khoury and A. Sibai

304

CASE REPORTS

Late presentation of tracheo-oesophageal fistula

A.R. Teasdale and M.S. Nielsen

307

Angiotensinamide in the treatment of probable anaphylaxis to succinylated gelatin (Gelofusine)

R.P. McKinnon and C.J. Sinclair

309

Prolonged high frequency jet ventilation and milrinone therapy following modified Fontan procedure

W.T. McBride and T.J. McMurray

312

Suxamethonium apnoea and the isolated leg

J.B. Mitchell and W. Harrop-Griffiths

315

APPARATUS

A simple method for monitoring the concentration of inhaled nitric oxide

A. Petros, P. Cox and D. Bohn

317

The effect of insufflation leaks upon ventilation. A quantified comparison of ventilators

J.W.H. Watt and M.H. Fraser

320

SPECIAL ARTICLE

The application of Read Codes to anaesthesia

I.C. Banks

324

FORUM

The effect of insufflation leaks in long-term ventilation. Waking and sleeping transcutaneous gas tensions in ventilator-dependent patients with an uncuffed tracheostomy tube

J.W.H. Watt and M.H. Fraser

328

Teaching fibreoptic intubation in anaesthetised patients

H.G. Schaefer, S.C.U. Marsch, H.L. Keller, S. Strebel, L. Anselmi and J. Drewe

331

Teaching fibreoptic intubation. Effect of alfentanil on the haemodynamic response

M. Hartley, S. Morris and R.S. Vaughan

335

Improving the induction characteristics of methohexitone. A study of the effect of adding thiopentone to methohexitone

J.H. Raphael and M.D.R. Bexton

338

The incidence and severity of postoperative nausea and vomiting in patients exposed to positive intra-operative suggestions

A.R. Williams, M. Hind and B.P. Sweeney

340

Intra-ocular pressure during cardiopulmonary bypass—a comparison of crystalloid and colloid priming solutions

M.A. Abbott, A.D. McLaren and T. Algie

343

CORRESPONDENCE

347

ANNUAL REPORT OF COUNCIL 1992–1993

360

OBITUARIES

370

INTERNATIONAL CONGRESS CALENDAR

370

ERRATA

372

EDITORIAL

- Diagnosing malignant hyperthermia susceptibility
P.M. Hopkins, P.J. Halsall and F.R. Ellis

373

ORIGINAL ARTICLES

- Basic simulations for anaesthetists. A pilot study of the ACCESS system
A.J. Byrne, P.J. Hilton and J.N. Lunn 376
- Effects of background stress and anxiety on postoperative recovery
R. Liu, J.E.S. Barry and J. Weinman 382
- Brainstem auditory evoked response changes following electro-acupuncture therapy in chronic pain patients
A. Kumar, O.P. Tandon, S. Dam, A. Bhattacharya and K.K. Tyagi 387
- Effect of weaning on oxygen consumption and cardiovascular function. A comparison of continuous flow and demand valve systems
P.C. Ip Yam, I.R. Appadurai and W.J. Kox 391
- Conjunctival oxygen tension monitoring during liver transplantation
R. Alcock, T. Peachey, S. Mallett, B. Davidson and K. Rolles 394
- A new method of veno-venous bypass during human orthotopic liver transplantation
R. Scherer, R. Giebler, J. Erhard, R. Lange, M. Günnicker, M. Schmutzler, D. Paar and W.J. Kox 398

CASE REPORTS

- Hypomagnesaemia, cardiac arrhythmias and orthotopic liver transplantation
D.N. Ranasinghe and S.V. Mallett 403
- Anaesthesia for Caesarean section in a patient receiving high dose amiodarone for fetal supraventricular tachycardia
J.P. Fulgencio and J. Hamza 406
- An unusual complication of Cornelia de Lange syndrome
G.R.Q. Veall 409
- Emergency X ray-guided nasotracheal intubation in a patient with a spinal epidural haematoma
M. Kawaguchi, T. Sakamoto, H. Ohnishi and J. Karasawa 411
- Apparent massive tongue swelling. A complication of orotracheal intubation on the Intensive Care Unit
T.Y. Huehns, S.M. Yentis and V. Cumberworth 414
- Lingual haematoma following treatment with streptokinase and heparin; anaesthetic management
P.J. Williams, P. Jani and J. McGlashan 417

APPARATUS

- Laboratory assessment of a user-assembled oxygen generation kit
N.R. Bhimsan, C.C. Rout and W.B. Murray 419

REVIEW ARTICLE

- Sedation for ventilation in the critically ill. A role for isoflurane?
S.M. Willatts and E.M. Spencer 422

HISTORICAL NOTES

- Fidel Pagés Miravé (1886–1923). The pioneer of lumbar epidural anaesthesia
J.J. De Lange, M.A. Cuesta and A. Cuesta de Pedro 429

FORUM

- The effects of dobutamine therapy in critically ill patients measured by transoesophageal echocardiography and intracardiac monitoring
H. Steltzer, P. Simon, A.N. Owen, M. Thalmann and A.F. Hammerle 432
- Effects of the cervical collar on cerebrospinal fluid pressure
J.H. Raphael and R. Chotai 437
- Spinal anaesthesia for patients with previous lower limb amputations
M.J. Tessler and S.J. Kleiman 439
- Infra-orbital nerve block for relief of postoperative pain following cleft lip surgery in infants
S. Ahuja, A. Datta, A. Krishna and A. Bhattacharya 441

CORRESPONDENCE

445

BOOK REVIEWS

460

- THE 18TH ANNUAL LINKMAN CONFERENCE OF THE ASSOCIATION OF ANAESTHETISTS OF GREAT BRITAIN AND IRELAND, 1993

462

EDITORIAL

Misuse of the laryngeal mask airway

T. Asai and R.S. Vaughan

467

ORIGINAL ARTICLES

Anaphylactic/anaphylactoid reactions to anaesthetic and associated agents. Skin prick tests in aetiological diagnosis

J. Pepys, E.O. Pepys, B.A. Baldo and J.G. Whitwam

470

Motor signs of wakefulness during general anaesthesia with propofol, isoflurane and flunitrazepam/fentanyl and midlatency auditory evoked potentials

D. Schwender, E.Faber-Züllig, S. Klasing, E. Pöppel and K. Peter

476

Haemodynamic and oxygen transport effects of propofol infusion in critically ill adults

G.R. Nimmo, S.J. Mackenzie and I.S. Grant

485

The subjective effects of low-dose propofol. A double-blind study to evaluate dimensions of sedation and consciousness with low-dose propofol

C. Whitehead, L.D. Sanders, G. Oldroyd, T.K. Haynes, R.W. Marshall, M. Rosen and J.O. Robinson

490

The effect of oral omeprazole on the disposition of lignocaine

D.W. Noble, J. Bannister, M. Lamont, T. Andersson and D.B. Scott

497

Recovery of mivacurium and doxacurium versus vecuronium in the isolated forearm

N.T.A. Campkin, J.R. Hood and S.A. Feldman

501

An investigation of the local anaesthetic effects of pethidine in volunteers

G.J. Oldroyd, E.J. Tham and I. Power

503

CASE REPORTS

Latex allergy: an unfamiliar cause of intra-operative cardiovascular collapse

C.A. Hodgson and B.D. Andersen

507

Response to suxamethonium during propofol-fentanyl-N₂O/O₂ anaesthesia in a patient with active myasthenia gravis receiving long-term anticholinesterase therapy

L.E.H. Vanlinthout, E.N. Robertson and L.H.D.J. Booij

509

Large cervical osteophyte—another cause of difficult flexible fiberoptic intubation

D.N. Ranasinghe and I. Calder

512

REVIEW ARTICLE

Nitric oxide: basic science and clinical applications

P.C.A. Kam and G. Govender

515

FORUM

Grading of direct laryngoscopy. A survey of current practice

A.M. Cohen, B.G. Fleming and J.R. Wace

522

External ophthalmoplegia after total intravenous anaesthesia

S.C.U. Marsch and H.-G. Schaefer

525

Continuous regional analgesia in comparison with intravenous opioid administration for routine post-operative pain control

S.A. Schug and R. A. Fry

528

Recovery from pre-operative sedation with clonidine—brain stem auditory evoked response

A. Kumar, O.P. Tandon, A. Bhattacharya, S. Bose and P. Kundra

533

The influence of nasal obstruction and its relief on oxygen saturation during sleep and the early postoperative period

M.G. Serpell, N. Padgham, F. McQueen, R. Block and M. Thomson

538

CORRESPONDENCE

541

BOOK REVIEWS

561

HAZARD NOTICE

563

SAFETY ACTION BULLETINS

563

ERRATA

563

EDITORIAL

The need for standards for inter-hospital transfer

P.A. Oakley

565

ORIGINAL ARTICLES

Sevoflurane anaesthesia for major intra-abdominal surgery

A.C. Quinn, P.J. Newman, G.M. Hall and R.M. Grounds

567

Effects of surgical stimulation on midlatency auditory evoked potentials during general anaesthesia with propofol/fentanyl, isoflurane/fentanyl and flunitrazepam/fentanyl

D. Schwender, W. Gollig, S. Klasing, E. Faber-Züllig, E. Pöppel and K. Peter

572

Pulmonary function tests before and after laparoscopic cholecystectomy

J.A. Freeman and I.R. Armstrong

579

Effect of three different surgical prone positions on lung volumes in healthy volunteers

R.P. Mahajan, N. Hennessy, A.R. Aitkenhead and D. Jilinek

583

Continuous measurement of systemic vascular resistance

J.P. O'Dwyer, J.E. King, C.E. Wood, B.L. Taylor and G.B. Smith

587

Pre-emptive analgesia from intravenous administration of opioids. No effect with alfentanil

R.J.T. Wilson, S. Leith, I.J.B. Jackson and D. Hunter

591

The effect of parenteral diclofenac and morphine on duration and height of blockade of continuous epidural infusion of bupivacaine 0.5%

N.B. Scott, D.W. Forbes and A.R. Binning

594

CASE REPORTS

Anaesthesia and the new generation monoamine oxidase inhibitors

H.J. McFarlane

597

Anaesthesia in a child with Schwartz-Jampel syndrome

S. Ray and A.P. Rubin

600

Unilateral hypoglossal nerve paralysis following the use of the laryngeal mask airway

K. Nagai, C. Sakuramoto and F. Goto

603

A novel approach to insertion of the Montgomery T-tube

A. Ni Chonchubhair, T. O'Connor and C. O'Hagan

605

Hypertrophic obstructive cardiomyopathy complicating surgery for cerebral artery aneurysm clipping

S. Edmonds and S. Ghosh

608

APPARATUS

Air inlets for infusion bottles

C.M. Thorpe and D.H.T. Scott

610

REVIEW ARTICLE

The renin-angiotensin system and angiotensin converting enzyme (ACE) inhibitors

N.H. Kellow

613

FORUM

Importance of components of the curriculum vitae in determining appointment to senior registrar posts

D.A. Conn and A.J. Asbury

623

Analgesic effect of intra-articular morphine after arthroscopic meniscectomy

G.W. Dierking, H.T. Østergaard, C.K. Dissing, J.E. Kristensen and J.B. Dahl

627

Pre-oxygenation: a comparison of two techniques using a Bain system

M.J. Rooney

629

Lignocaine 0.5% for spinal anaesthesia in gynaecological day surgery

Q.Y. Liew, D.H.B. Tay and E. Thomas

633

Extension of epidural blockade for emergency Caesarean section. Assessment of a bolus dose of bupivacaine 0.5% 10 ml following an infusion of 0.1% for analgesia in labour

M.A.S. Dickson and J. Jenkins

636

CORRESPONDENCE

639

BOOK REVIEWS

653

OBITUARIES

655

INTERNATIONAL CONGRESS CALENDAR

655

HAZARD NOTICE

657

EDITORIAL

Philip John Helliwell
J.S.M. Zorab

659

ORIGINAL ARTICLES

Waiting in pain. Delays between referral and consultation in outpatient pain clinics

H.T.O Davies, I.K. Crombie and W.A. Macrae

661

A changing role for intensive therapy: is there a case for high dependency care?

A. Kilpatrick, S. Ridley and L. Plenderleith

666

Sensitivity to second dose of mivacurium

S.A. Feldman, J.R. Hood, N.T.A. Campkin and S. Rehm

671

A comparison of the effect on gastric emptying of either enflurane or propofol given during maintenance of anaesthesia for minor surgery

M.W.R. Bennett, J.L. Bembridge and M.V. Shah

675

Comparison of the addition of three different doses of sufentanil to 0.125% bupivacaine given epidurally during labour

J.D. Vertommen, E. Lemmens and H. Van Aken

678

Curare modification of suxamethonium blockade

J.R. Hood, N.T.A. Campkin and S.A. Feldman

682

CASE REPORTS

Intensive care management of multiple-organ dysfunction due to falciparum malaria in a married couple

D. Grace, G.G. Lavery, P. Jackson, D.A. Canavan and J.P.H. Fee

686

Use of a guide wire and a ureteral dilator as an aid to awake fiberoptic intubation

R.J. Telford, J.F. Searle, R.W. Boaden and F. Baier

691

Prolonged epidural anaesthesia in a patient with Dupuytren's diathesis

J.L. De La Calle, M. Lavilla, J. Valle and M. Pliego

694

Emergency intubation through the laryngeal mask airway. The effective application of cricoid pressure

P. Swayne and G.L. Greenslade

696

Difficult intubation following thoracic trauma

J. Groves, N. Edwards and G. Hood

698

Severe pain in both legs after spinal anaesthesia with hyperbaric 5% lignocaine solution

S. Sjöström and J. Bläss

700

APPARATUS

A modification of the Bain system for ambient air-oxygen inhalation

B.M. Shrestha, W.A. Tweed, N.B. Basnyat and B.D. Lekhak

703

An assessment of a blood warmer for high and low flows

A.L.M. Johnson and M. Morgan

707

A new keyed vaporizer filler

P.H. Wittmann, F.W. Wittmann, J. Connor and T. Connor

710

The oesophageal and precordial stethoscope transducer as a monitoring and teaching aid

C.N. Barthram and L. Taylor

713

FORUM

Patient knowledge of anaesthesia and peri-operative care

M.A. Hume, B. Kennedy and A.J. Asbury

715

Haemodynamic effects of R 80122 immediately after cardiopulmonary bypass; preliminary results

L. Herregods, G. Rolly, Y. Van Belleghem and G. Van Nooten

719

Difficulties in spinal needle use. Insertion characteristics and failure rates associated with 25-, 27- and 29-gauge Quincke-type spinal needles

P. Tarkkila, J. Huhtala and U. Salminen

723

Calculation of inspired oxygen fraction during anaesthesia based on awake oxygen saturation

P. Mandal and S. Chaudhary

726

Chair dental anaesthesia: a survey of current and intended practice in Mersey Region

P.J. Barrett, A.C. Skinner and E. Whelan

728

CORRESPONDENCE

731

BOOK REVIEW

746

SAFETY ACTION BULLETINS

747

EDITORIAL

Back to Basics?

M. Harmer

749

ORIGINAL ARTICLES

Incidence of Gram-negative bacteraemia in sepsis syndrome. Implications for immunotherapy

S.M. Willatts, D.C.E. Speller and R.J. Winter

751

Failure of pain relief after surgery. Attitudes of ward staff and patients to postoperative analgesia

J.D.L. Oates, S.L. Snowden and D.W.H. Jayson

755

A simple method for the maintenance of oxygen saturation following intravenous induction of anaesthesia with propofol

R. Ruggier, C.R. Bailey, R.M. Grounds and J.T. Clarke

759

Cerebral hypoxia detected by near infrared spectroscopy

I.M. Williams, A.J. Picton, S.C. Hardy, A.J. Mortimer and C.N. McCollum

762

Patient-controlled epidural analgesia with sufentanil following Caesarean section: the effect of adrenaline and clonidine admixture

M.P. Vercauteren, D.M. Vandeput, T.F. Meert and H.A. Adriaensen

767

Cervical spine movement during orotracheal intubation: comparison of the Belscope and Macintosh blades

N.M. Gajraj, D.P. Chason and V.E. Shearer

772

Are pulse oximetry and end-tidal carbon dioxide tension monitoring reliable during laparoscopic surgery?

J.-B. Nyarwaya, J.-X. Mazoit and K. Samii

775

A comparison of Plasmalyte 148 and 0.9% saline for intra-operative fluid replacement

C. McFarlane and A. Lee

779

Oral administration of midazolam as a premedicant for paediatric day-case anaesthesia

A. McCluskey and G. H. Meakin

782

CASE REPORTS

Twelfth cranial nerve paralysis following use of a laryngeal mask airway

C. King and M.K. Street

786

Tracheal agenesis

H.J. Manschot, J.N. van den Anker and D. Tibboel

788

Paralytic ileus as a complication of atropine therapy following severe organophosphate poisoning

S.C. Beards, P. Kraus and J. Lipman

791

Subdural block—further points

G.T. Bell and J.C. Taylor

794

APPARATUS

Performance of the Baxter disposable patient-controlled analgesia infusor under hyperbaric conditions

J.J. Radcliffe and I. Spencer

796

A new colorimetric breath indicator (Colibri). A comparison of the performance of two carbon dioxide indicators

A. Gedeon, P. Krill and C. Mebius

798

FORUM

Antiemetic efficacy of metoclopramide when included in a patient-controlled analgesia infusion

A.D. Walder and A.R. Aitkenhead

804

A survey of the intended management of acute postoperative pain by newly qualified doctors in the South West region of England in August 1992

T.H. Gould, P.M. Upton and P. Collins

807

Propofol as sole agent for paediatric day-case dental surgery. A randomised study comparing an intravenous propofol infusion with 100% inspired oxygen versus a nitrous oxide/oxygen/halothane maintenance technique

W.J. Moore and S. Underwood

811

A preliminary clinical evaluation of magnetic stimulation of the ulnar nerve for monitoring neuromuscular transmission

H. Iwasaki, M. Igarashi and A. Namiki

814

Pain during injection of propofol. The effect of prior administration of thiopentone

T.W. Lee, A.E. Loewenthal, J.A. Strachan and B.D. Todd

817

The addition of triamcinolone acetonide to bupivacaine has no effect on the quality of analgesia produced by ilioinguinal nerve block

G. McCleane, E. Mackle and I. Stirling

819

A comparison of simple identification tests to distinguish cerebrospinal fluid from local anaesthetic solution

M.J. Tessler, S. Wiesel, R. M. Wahba and D.R. Quance

821

CORRESPONDENCE

823

HAZARD NOTICE

840

ERRATA

840

EDITORIAL

The medical fast-track

S.M. Lyons

841

ORIGINAL ARTICLES

The effect on laryngoscopy of different cervical spine immobilisation techniques

K.J. Heath

843

Comparative effects of laryngeal mask and tracheal tube on total respiratory resistance in anaesthetised patients

D. Boisson-Bertrand, B. Hannhart, J.M. Rousselot, C. Duvivier, N. Quilici and R. Peslin

846

Plasma concentrations of alfentanil following epidural administration

F. Haak-van Der Lely, A.G.L. Burm, J.W. Van Kleef, J.G. Bovill and A.A. Vletter

850

Dexmedetomidine as intramuscular premedication for day-case cataract surgery. A comparative study of dexmedetomidine, midazolam and placebo

M. Virkkilä, T. Ali-Melkkilä, J. Kanto, J. Turunen and H. Scheinin

853

A comparison of 25 G and 27 G Whitacre needles for Caesarean section

E.A. Smith, J. Thorburn, R.A. Duckworth and J.A. Reid

859

The oesophageal detector device. An assessment of accuracy and ease of use by paramedics

P.L. Donahue

863

CASE REPORTS

An impaled neck: Management of difficult airway access

A. Bullingham, D. Hampson-Evans and M. Palazzo

866

Myocardial infarction in a parturient. A case report with emphasis on medication and management

M.K. Söderlin, S. Purhonen, P. Haring, S. Hietakorpi, E. Koski and L.S. Nuutinen

870

A rare and fatal complication of oesophagoscopy. Anaesthetic implications

N.A. Zubair, D.R. Patil and A.H. Alghamdi

873

Inhalation anaesthesia and the Kearns-Sayre syndrome

M.H. Lauwers, C. Van Lersberghe and F. Camu

876

Respiratory complications due to inadequate analgesia following thoracotomy in a neonate

L.J. Cass and R.F. Howard

879

Differential lung ventilation as an alternative to one-lung ventilation during thoracotomy. Report of three cases

A. Baraka

881

Mediastinitis and sepsis syndrome following intubation

F. Gamlin, L.D. Caldicott and M.V. Shah

883

APPARATUS

The need for quality control in measurement of mixed venous oxygen saturation

S.C. Beards, J.D. Edwards and P. Nightingale

886

The SMART needle. A new Doppler ultrasound-guided vascular access needle

M. Vucetic, B. Tehan, F. Gamlin, J.C. Berridge and M. Boylan

889

Can a drawover vaporizer be a pushover?

J.C. Taylor and J. Restall

892

Blood pressure measurement using oscillometric finger cuffs in children and young adults. A comparison with arm cuffs during general anaesthesia

M.A. Lyew and J.W. Jamieson

895

FORUM

Emergency airway management in patients with cervical spine injuries

J.C. Criswell and M.J.A. Parr

900

Validation of a croup score and its use in triaging children with croup

S. Jacobs, G. Shortland, J. Warner, A. Dearden, P. Singh Gataure and J. Tarpey

903

The effect of hyaluronidase on peribulbar block

M. Crawford and J. Kerr

907

Acid aspiration prophylaxis in elective biliary surgery. A comparison of omeprazole and famotidine using manually aided gastric aspiration

P. Vila, P. Espachs, V. Echevarria, M. Garcia, R. Rincón and F. Vidal

909

Peri-operative effect of major gastrointestinal surgery on serum magnesium

A. Sanchez-Capuchino and I. McConachie

912

CORRESPONDENCE

OBITUARIES

INTERNATIONAL CONGRESS CALENDAR

HAZARD NOTICE

ANNOUNCEMENT

915

928

928

930

930

EDITORIAL

Paying the piper—calling the tune?

P.C.W. Beatty and I.T. Campbell

931

ORIGINAL ARTICLES

Survival after intensive care. Comparison with a matched normal population as an indicator of effectiveness

S. Ridley and L. Plenderleith

933

Circulating fluoride changes and hepatorenal function following sevoflurane anaesthesia

P.J. Newman, A.C. Quinn, G.M. Hall and R.M. Grounds

936

Administration of rocuronium (Org 9426) by continuous infusion and its reversibility with anticholinesterases

E.P. McCoy, R.K. Mirakhur, V.R. Maddineni, P.B. Loan and F. Connolly

940

Recovery of mivacurium block with or without anticholinesterases following administration by continuous infusion

V.R. Maddineni, R.K. Mirakhur and E.P. McCoy

946

Detection of cerebral hypoperfusion during cardiopulmonary bypass. Continuous measurement of cerebral venous oxyhaemoglobin saturation during myocardial revascularisation

P.J.D. Andrews and A.D. Colquhoun

949

CASE REPORTS

Spinal cord compression immediately following, but unrelated to, epidural analgesia

G.H. Mills, S.J.L. Howell and M.N. Richmond

954

Elevated porphyrins following propofol anaesthesia in acute intermittent porphyria

D. Elcock and A. Norris

957

Phacomorphic glaucoma—an unusual cause of postoperative vomiting

S. Gupta, P. Chari, I. Bala and J. Muralidhar

959

Haemothorax after attempted intercostal catheterisation

M. Dangoisse, S. Collins and C.J. Glynn

961

Ethylene glycol antifreeze poisoning. Three case reports and a review of treatment

A.D. Walder and C.K.G. Tyler

964

APPARATUS

A comparison of arterial lines and insertion techniques in critically ill patients

S.C. Beards, L. Doedens, A. Jackson and J. Lipman

968

A multilumen catheter guide for difficult airway management. Its uses in anaesthesia and intensive care

S.S. Dhara

974

The polyurethane nasotracheal tube

C.J. Wright, C.M. Frerk, A. Padfield, M.M. Ryan and G.B. Smith

979

REVIEW ARTICLE

Noise pollution in the anaesthetic and intensive care environment

P.C.A. Kam, A.C. Kam and J.F. Thompson

982

FORUM

Parents in the anaesthetic room—parents' and anaesthetists' views

A.W. McEwen, L.D. Caldicott and I. Barker

987

Factors important in determining trainee anaesthetists' quality of life

G.R. Masterson, G.S. Ashcroft and R. Shah

991

A comparison of thiopentone and propofol with respect to the incidence of postoperative shivering

P. Singh, R. Harwood, D.P. Cartwright and A.W.A. Crossley

996

The effect of clonidine on intra-operative requirements of fentanyl during combined epidural/general anaesthesia

G. Murga, E. Samsó, J. Valles, P. Casanovas and M.M. Puig

999

Single medial injection peribulbar anaesthesia using prilocaine

A.K. Brahma, C.J. Pemberton, M. Ayeko and L.H. Morgan

1003

CORRESPONDENCE

1006

BOOK REVIEWS

1016

EDITORIAL

- The superiority of epidural opioids for postoperative analgesia—fact or fallacy?
E.W.S. Cheam and M. Morgan 1019

ORIGINAL ARTICLES

- Age-dependent haematological disturbances in anaesthetic personnel chronically exposed to high occupational concentrations of halothane and nitrous oxide
M. Perić, M. Petrovečki and M. Marušić 1022
- Effect of topical anaesthesia on the motor performance of vocal cords as assessed by tussometry
R.P. Mahajan, G.E. Murty, P. Singh and A.R. Aitkenhead 1028
- A new technique for fibreoptic intubation in children
M.A. Hasan and A.E. Black 1031
- The effect of epidural administration of alfentanil on intra-operative intravenous alfentanil requirements during nitrous oxide-oxygen-alfentanil anaesthesia for lower abdominal surgery
F. Haak-van der Lely, A.G.L. Burm, J.W. van Kleef, M.C.O. van den Nieuwenhuyzen, T.J. Siemens, S.M. Mulder, J.G. Bovill and A.A. Vletter 1034
- Right ventricular function and oxygen transport patterns in patients with acute respiratory distress syndrome
H. Steltzer, P. Krafft, P. Fridrich, M. Hiesmayr and A.F. Hammerle 1039
- Effect of ketorolac, ketoprofen and nefopam on platelet function
P.L. Dordoni, M. Della Ventura, A. Stefanelli, E. Iannace, P. Paparella, B. Rocca and F. Accorra 1046

CASE REPORTS

- Munchausen's syndrome. A case presenting as asthma requiring ventilation
C.E. Baker and E. Major 1050
- Cardiac tamponade in an infant. A rare complication of central venous catheterisation
Y-G. Cherng, Y-J. Cheng, T-G. Chen, C-M. Wang and C-C. Liu 1052
- Scapular and proximal humeral head fractures. An unusual complication of cardiopulmonary resuscitation
A.C.A. Kam and P.C.A. Kam 1055
- The effect of propofol sedation in pregnancy on neonatal condition
R.C. Bacon and P.A. Razis 1058
- Traumatic pneumomyelogram. Implications for the anaesthetist
C.J.E. Day, J.P. Nolan and D. Tarver 1061

APPARATUS

- Forces acting on the maxillary incisor teeth during laryngoscopy using the Macintosh laryngoscope
M.J.L. Bux, C.J. Snijders, R.T.M. van Geel, C. Robers, H. van de Giessen, W. Erdmann and T. Stijnen 1064
- Accuracy, alarm limits and rise times of 12 oxygen analysers
R. Lauber, A. Steiner and A.M. Zbinden 1071

REVIEW ARTICLE

- Anaesthesia and mucopolysaccharidoses: A review of airway problems in children
R.W.M. Walker, M. Darowski, P. Morris and J.E. Wraith 1078

FORUM

- Depth of epidural space in children
M.A. Hasan, R.F. Howard and A.R. Lloyd-Thomas 1085
- Low dose bupivacaine/fentanyl epidural infusions in labour and mode of delivery
A.P. Stoddart, K.E.A. Nicholson and P.A. Popham 1087
- A trial of pre-emptive analgesia. Influence of timing of peroperative alfentanil on postoperative pain and analgesic requirements
M. Mansfield, R. Meikle and C. Miller 1091

CORRESPONDENCE

- 1094

BOOK REVIEW

- 1107

SAFETY ACTION BULLETIN

- 1107

INDEX

- 1109